

# CUBIT Capability Proposal

**Technical Area**

Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

**Technical Lead**

Cubit Developer in charge of technical area

Infrastructure	Darryl
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**MRD Description**

Describe the capability in terms of how a user would see it.

Provide the ability to identify entities which are geometrically located within another entity.
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**SRS Description**

What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

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| <ol style="list-style-type: none"><li>1. Write function which detects containment</li><li>2. Hook up containment function to df parser</li></ol> |
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**Justification**

Describe why this is important and what impact it will have if it is implemented. (or not implemented).

We've received at least a couple of requests for this. Both users wanted to define a boundary condition based on the location of a "tool" volume. See bug #4365.
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**Resources**

Who will work on this

**Time estimate**

How much time will it take in man-weeks

**Targeted Release**

10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

Darryl	2 weeks	10.2
Corey	1 week (Darryl might need help with containment function)	10.2

**Submitted By:****Date:**

Darryl	3/28/06
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